



STATE OF MICHIGAN WATER COLLABORATION WORKSHOP

October 9th, 2015, 10am – 3:30pm
Ralph A. MacMullan (RAM) Conference Center
104 Conservation Drive, Roscommon, MI 48653



OPPORTUNITIES

- ✓ Kick off and strengthen networking opportunities among state agency personnel and water-related faculty from Michigan's colleges and universities.
- ✓ Highlight the major water-related programs in the state and their pressing knowledge gaps and needs.
- ✓ Identify opportunities for Michigan's state quality of life agencies and its colleges and universities to collaboratively address knowledge gaps and research needs.
- ✓ Encourage continuing interactions among participants through the development and roll-out of a virtual, statewide water collaboration networking tool.

OPTIONAL MEET AND GREET OPPORTUNITY (9:30 – 10:00 AM)

WELCOME AND INTRODUCTION (10:00 - 10:20 AM)

Jennifer Read, University of Michigan Water Center
Dina Klemans, Michigan Department of Environmental Quality

OPENING PLENARY (10:20 - 11:30 AM)

State Quality of Life Agencies: Major Programs, Needs, and Knowledge Gaps

Dina Klemans, Michigan Department of Environmental Quality (MDEQ)
Emily Finnell, Michigan Office of the Great Lakes (MI OGL)
Gary Whelan, Michigan Department of Natural Resources (MDNR)
Jim Johnson, Michigan Department of Agriculture and Rural Development (MDARD)
Opportunities for questions will follow each speaker.

LUNCH (11:30 AM – 12:45 PM)

BREAKOUT SESSION 1 (12:45 – 1:45 PM):

<p>Student pathways to careers in water resources</p> <p>Potential topics: Advising students, internships, graduate programs, professional skills</p> <p>Co-leaders: Tom Occhipinti, MDEQ Environmental Education Coordinator Emily Thompson, Washtenaw Community College – Life Sciences Program</p>	<p>Biological (macro) needs and knowledge gaps</p> <p>Potential topics: Fish, birds, mammal, amphibians, reptiles, invertebrates, plants</p> <p>Co-leaders: Gary Whelan, MDNR Fisheries Program Manager Carl Ruetz III, Grand Valley State University, Annis Water Resources Institute</p>	<p>Physical needs and knowledge gaps</p> <p>Potential topics: Geomorphology, water quantity, habitat</p> <p>Co-leaders: Alyssa Riley, MDEQ Aquatic Biologist Tom Kovacs, Eastern Michigan University, Interdisciplinary Environmental Science and Society Program</p>
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BREAK (1:45 – 2:00 PM)

BREAKOUT SESSION 2 (2:00 – 3:00 PM):

<p>Human dimension needs and knowledge gaps</p> <p>Potential topics: Human-environment interactions, blue economy, governance</p> <p>Co-leaders: Emily Finnell, MI OGL Environmental Quality Specialist Erin Dreelin, Michigan State University, Center for Water Sciences</p>	<p>Biological (micro) needs and knowledge gaps</p> <p>Potential topics: microbial ecology, algal blooms</p> <p>Co-leaders: Sarah Holden, MDEQ Aquatic Biologist Gary Fahnenstiel, Michigan Tech University and U-M Water Center</p>	<p>Chemical needs and knowledge gaps</p> <p>Potential topics: Toxics, nutrients, pollutants of emerging concern</p> <p>Co-leaders: Jim Johnson, MDARD Director David Karpovich, Saginaw Valley State University, Saginaw Bay Environmental Science Institute</p>
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DISCUSSION/WRAP UP (3:00-3:30 PM)

ADJOURN AND NETWORKING (3:30 PM)